

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. - 16. (Canceled)

17. (Currently Amended) The A display data analysis apparatus that analyzes measured data measured and displayed by a predetermined measuring apparatus and outputs the analysis result to a predetermined processing apparatus, comprising:

an image acquiring unit acquiring an image of data by directly inputting the image displayed on a data display section of a measuring instrument;

a detecting unit detecting the measured data displayed by said measuring apparatus in the image picked up by said image acquiring unit using detection auxiliary information to detect the measured data displayed by said measuring apparatus;

an analyzing unit analyzing the measured data in the image picked up by said image acquiring unit using analysis auxiliary information to analyze the measured data displayed by said measuring apparatus in the case where said measured data is detected by said detecting unit; and

an outputting unit outputting the analysis result analyzed by said analyzing unit;

wherein the image acquiring unit includes a camera for focusing on the display of the measuring instrument and acquiring the image displayed thereon,

said detection auxiliary information and/or said analysis auxiliary information includes indices attached to said measuring apparatus and database concerning the indices, and according to claim 15, wherein said indices are of L-type or rotated L-type.

Amendment Dated: November 1, 2004

Reply to Office Action of: August 23, 2004

18. (Currently Amended) ~~The~~ A display data analysis apparatus that analyzes measured data measured and displayed by a predetermined measuring apparatus and outputs the analysis result to a predetermined processing apparatus, comprising:

an image acquiring unit acquiring an image of data by directly inputting the image displayed on a data display section of a measuring instrument;

a detecting unit detecting the measured data displayed by said measuring apparatus in the image picked up by said image acquiring unit using detection auxiliary information to detect the measured data displayed by said measuring apparatus;

an analyzing unit analyzing the measured data in the image picked up by said image acquiring unit using analysis auxiliary information to analyze the measured data displayed by said measuring apparatus in the case where said measured data is detected by said detecting unit; and

an outputting unit outputting the analysis result analyzed by said analyzing unit;

wherein the image acquiring unit includes a camera for focusing on the display of the measuring instrument and acquiring the image displayed thereon,

said detection auxiliary information and/or said analysis auxiliary information includes indices attached to said measuring apparatus and database concerning the indices, and according to claim 15, wherein said indices have a plurality of colors or a plurality of concentrations in the case of monochrome.

19. (Currently Amended) ~~The~~ A display data analysis apparatus that analyzes measured data measured and displayed by a predetermined measuring apparatus and outputs the analysis result to a predetermined processing apparatus, comprising:

an image acquiring unit acquiring an image of data by directly inputting the image displayed on a data display section of a measuring instrument;

a detecting unit detecting the measured data displayed by said measuring apparatus in the image picked up by said image acquiring unit using detection auxiliary information to detect the measured data displayed by said measuring apparatus;

an analyzing unit analyzing the measured data in the image picked up by said image acquiring unit using analysis auxiliary information to analyze the measured data displayed by said measuring apparatus in the case where said measured data is detected by said detecting unit; and

an outputting unit outputting the analysis result analyzed by said analyzing unit;

wherein the image acquiring unit includes a camera for focusing on the display of the measuring instrument and acquiring the image displayed thereon, and

~~according to claim 14, wherein~~ said detection auxiliary information includes color/reflectivity information on colors and/or reflectivity of the display section of the measured data of said measuring apparatus and database concerning the colors/reflectivity information.

20. (Currently Amended) ~~The~~ A display data analysis apparatus that analyzes measured data measured and displayed by a predetermined measuring apparatus and outputs the analysis result to a predetermined processing apparatus, comprising:

an image acquiring unit acquiring an image of data by directly inputting the image displayed on a data display section of a measuring instrument;

a detecting unit detecting the measured data displayed by said measuring apparatus in the image picked up by said image acquiring unit using detection auxiliary information to detect the measured data displayed by said measuring apparatus;

an analyzing unit analyzing the measured data in the image picked up by said image acquiring unit using analysis auxiliary information to analyze the measured data displayed by said measuring apparatus in the case where said measured data is detected by said detecting unit; and

an outputting unit outputting the analysis result analyzed by said analyzing unit;

wherein the image acquiring unit includes a camera for focusing on the display of the measuring instrument and acquiring the image displayed thereon, and

according to claim 14, wherein said detection auxiliary information includes shape/color arrangement information on the shape and/or color arrangement situation of said measuring apparatus and database concerning the shape/color arrangement information.

21. (Canceled)

22. (Currently Amended) The A display data analysis apparatus that analyzes measured data measured and displayed by a predetermined measuring apparatus and outputs the analysis result to a predetermined processing apparatus, comprising:

an image acquiring unit acquiring an image of data by directly inputting the image displayed on a data display section of a measuring instrument;

a detecting unit detecting the measured data displayed by said measuring apparatus in the image picked up by said image acquiring unit using detection auxiliary information to detect the measured data displayed by said measuring apparatus;

an analyzing unit analyzing the measured data in the image picked up by said image acquiring unit using analysis auxiliary information to analyze the measured data displayed by said measuring apparatus in the case where said measured data is detected by said detecting unit; and

an outputting unit outputting the analysis result analyzed by said analyzing unit;

wherein the image acquiring unit includes a camera for focusing on the display of the measuring instrument and acquiring the image displayed thereon, and

according to claim 14, wherein said measuring apparatus is a vital sensor that measures living body information, said measured data is display data of the vital sensor and said processing apparatus is a vital sign box.

23. - 28. (Canceled)

29. (Currently Amended) The method of claim 25 wherein In a monitoring system including a plurality of differing measuring devices, each measuring a parameter of an object and displaying a parameter value on a display, a method of recording the parameter value from each measuring device comprising the steps of:

(a) identifying each respective measuring device;

(b) capturing a display of the measuring device identified in step (a) as an image to extract a parameter value displayed on the display; and

(c) inputting the parameter value extracted in step (b) to a data collection terminal;

wherein the step of capturing the display includes focusing on the display of the measuring device, using a camera, to extract the parameter value displayed thereon, and

step (a) includes forming at least two markers on the display, and scanning the markers to (i) identify the respective measuring device and (ii) identify the parameter value between the two markers.

30. (Currently Amended) The method of claim 27 whereinIn a health monitoring system including a plurality of differing measuring devices, each measuring a health parameter of a patient and displaying a health parameter value on a display, a method of recording the health parameter value from each measuring device comprising the steps of:

(a) identifying each respective measuring device;

(b) capturing a display of the measuring device identified in step (a) as an image to extract a health parameter value displayed on the display; and

(c) inputting the health parameter value extracted in step (b) to a data collection terminal;

wherein the step of capturing the display includes focusing on the display of the measuring device, using a camera, to extract the parameter value displayed thereon, and

step (a) includes forming at least two markers on the display, and scanning the markers to (i) identify the respective measuring device and (ii) identify the parameter value between the two markers.

31. (Canceled)

32. (Previously Presented) A display data analysis apparatus that analyzes measured data measured and displayed by a predetermined measuring apparatus and outputs the analysis result to a predetermined processing apparatus, comprising:

an imaging unit picking up an image;

a detecting unit detecting the measured data displayed by said measuring apparatus in the image picked up by said imaging unit using detection auxiliary information to detect the measured data displayed by said measuring apparatus;

an analyzing unit analyzing the measured data in the image picked up by said imaging unit using analysis auxiliary information to analyze the measured data displayed by said measuring apparatus in the case where said measured data is detected by said detecting unit; and

an outputting unit outputting the analysis result analyzed by said analyzing unit,

wherein the measuring apparatus includes at least two markers, and

the detecting unit is configured to scan the image of the markers to (a) identify the measuring apparatus and (b) identify the measured data displayed between the two markers.

33. (Canceled)